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L1: Entry 1 of 2

File: JPAB

Feb 27, 2001

PUB-NO: JP02001055012A  
DOCUMENT-IDENTIFIER: JP 2001055012 A  
TITLE: PNEUMATIC TIRE

PUBN-DATE: February 27, 2001

## INVENTOR-INFORMATION:

NAME

COUNTRY

NAKAGAWA, YOSHINORI

YOSHIOKA, TETSUHIKO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

SUMITOMO RUBBER IND LTD

APPL-NO: JP11228767

APPL-DATE: August 12, 1999

INT-CL (IPC): B60 C 11/04; B60 C 11/13

## ABSTRACT:

PROBLEM TO BE SOLVED: To prevent the generation of bear in a groove bottom surface of a wide longitudinal groove formed on a tread surface.

SOLUTION: This pneumatic tire is provided with a wide longitudinal groove 3 wherein the width of a groove bottom surface continuously extending in a tire circumferencial direction and equal to the length between both sides groove bottom edges E, E and at which a groove wall 3b and a groove bottom surface 3a are intersected becomes 20 mm or more, on a tread surface 2. A projection 4 is formed on the groove bottom surface 3a of the wide longitudinal groove 3, which includes a first projected line 4a rising separately from the groove bottom edge E and extending along the groove bottom edge E, and a plurality of second projected line 4b ranging to the first projected line 4a and extending on the groove bottom surface in a direction intersecting the first projected line 4a.

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L1: Entry 2 of 2

File: DWPI

Jul 29, 2002

DERWENT-ACC-NO: 2001-228120

DERWENT-WEEK: 200256

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TITLE: Pneumatic tire for passenger cars, includes a wide groove provided on a bottom groove with longitudinal ribs extending in the longitudinal direction of the groove

INVENTOR: NAKAGAWA, Y; YOSHIOKA, T

PATENT-ASSIGNEE:

ASSIGNEE

CODE

SUMITOMO RUBBER IND LTD

SUMR

PRIORITY-DATA: 1999JP-0228767 (August 12, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 3308245 B2	July 29, 2002		009	B60C011/04
EP 1075970 A2	February 14, 2001	E	014	B60C011/04
<u>JP 2001055012 A</u>	February 27, 2001		009	B60C011/04

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 3308245B2	August 12, 1999	1999JP-0228767	
JP 3308245B2		JP2001055012	Previous Publ.
EP 1075970A2	August 11, 2000	2000EP-0306893	
JP2001055012A	August 12, 1999	1999JP-0228767	

INT-CL (IPC): B60 C 11/04; B60 C 11/13; B60 C 101:00

ABSTRACTED-PUB-NO: EP 1075970A

BASIC-ABSTRACT:

NOVELTY - A pneumatic tire comprises a wide groove (3) having a bottom width (GW) of not less than 20 mm disposed in a tread portion (2). The groove is provided on the groove bottom (3a) with at least one longitudinal rib (4a) extending in the longitudinal direction of the groove.

USE - For use in passenger cars.

ADVANTAGE - The wide groove prevents the bareness of tread rubber in the groove bottom without deteriorating the anti-aqua planting performance and noise performance.

DESCRIPTION OF DRAWING(S) - The figure shows an enlarged sectional view of the wide groove.

Tread portion 2

Tread face 2a

Wide groove 3

Groove bottom 3a

Groove wall 3b

Longitudinal rib 4a

Intermediate ribs 4b

Lateral ribs 4c

Bottom width GW

spues S

CHOSEN-DRAWING: Dwg.3/10

TITLE-TERMS: PNEUMATIC PASSENGER CAR WIDE GROOVE BOTTOM GROOVE LONGITUDE RIB EXTEND  
LONGITUDE DIRECTION GROOVE

DERWENT-CLASS: A95 Q11

CPI-CODES: A12-T01B;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 018 ; H0124\*R ; S9999 S1434 Polymer Index [1.2] 018 ; ND01 ; Q9999  
Q9256\*R Q9212 ; K9416

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